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	Filing Date		2001-12-07	
	First Named Inventor	Pablo D. GARCIA		
	Art Unit	1648		
	Examiner Name	Humphrey, L.		
	Attorney Docket Number	PP016466.0002 (2441.8)		

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1	Magin-Lachmann et al. "Function requires interaction with a complex, folded RNA structure within its responsive element " 2001 J. Virol. 2001 75(21):10359-71	<input type="checkbox"/>
2	McSharry, J.J. "Antiviral drug susceptibility assays: going with the flow," 1999 Antiviral Res 43(1):1-21	<input type="checkbox"/>
3	Schommer et al. "Characterization of the human endogenous retrovirus K proteinase," 1996 J. Gen Virol. 77:375-379	<input type="checkbox"/>
4	Boese et al. "The Rev/Rex homolog HERV-K cORF multimerizes via a C-terminal domain," 2001 FEBS Lett 493 (2-3):117-21	<input type="checkbox"/>
5	Larsson, E. et al. "Human endogenous proviruses," (1989) Current Topics in Microbiology and Immunology 148:115	<input type="checkbox"/>
6	Tönjes, R.R. et al. "HERV-K: the biologically most active human endogenous retrovirus family," 1996 J. Aids Hum. Retrovir. 13 (Suppl 1):S261-S267	<input type="checkbox"/>
7	Kuhelj, R. et al. "Inhibition of human endogenous retrovirus-K10 protease in cell-free and cell-based assays," 2001 J. Biol Chem 276(20):16674-82	<input type="checkbox"/>
8	Johnston, JB et al. "Monocyte activation and differentiation augment human endogenous retrovirus expression: implications for inflammatory brain diseases," 2001 Ann Neurol 50(4):434:42	<input type="checkbox"/>
9	Hanahan, D. et al. "The hallmarks of cancer," 2000 Cell 100:57-70	<input type="checkbox"/>
10	Genbank Accession Number AB047240 (2003)	<input type="checkbox"/>
11	Sugimoto et al., "Transcriptionally active HERV-K genes: identification, isolation and chromosomal mapping," Genomics (March 2001) 72(2):137-44	<input type="checkbox"/>

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12	Andersson et al. "Diversity of Human Endogenous Retrovirus Class II-Like Sequences," 1999 Gen. Virol. 80:255-260.	<input type="checkbox"/>
13	Tönjes et al., "Genome-Wide Screening, Cloning, chromosomal Assignment, and Expression of Full-Length Human Endogenous Retrovirus Type K," 1999 J. Virol 73(11):9187-9195	<input type="checkbox"/>
14	Barbulescu et al. "Many Human Endogenous Retrovirus K (HERV-K) Proviruses are Unique to Humans," Current Biology, Current Science 9:861-68.	<input type="checkbox"/>
15	Mayer J; Meese E; Mueller-Lantzsch N. Chromosomal assignment of human endogenous retrovirus K (HERV-K) env open reading frames. Cytogenetics and cell genetics 1997;79(1-2):157-61.	<input type="checkbox"/>
16	Mayer, J., Sauter, M., Racz, A., Scherer, D., Mueller-Lantzsch, N., Meese, E., 1999 An almost intact human endogenous retrovirus K on human chromosome 7. Nature Genetics 21, 257 - 258	<input type="checkbox"/>
17	Huang, H. et al., "FRA7G extends over a broad region: coincidence of human endogenous retroviral sequences (HERV-H) and small polydispersed circular DNAs (spcDNA) and fragile sites," 1998 Oncogene 16(18):2311-19	<input type="checkbox"/>
18	Ono, M. et al. "Stimulation of expression of the human endogenous retrovirus genome by female steroid hormones in human breast cancer cell line," T47D. J Virol. 1987 June; 61(6): 2059-2062	<input type="checkbox"/>
19	Magin, et al. "Corf, the Rev/Rex Homologue of HTDV/HERV-K, Encodes an Arginine-Rich Nuclear Localization Signal That Exerts a trans-Dominant Phenotype When Mutated," Virology, Volume 274, Number 1, August 2000, pp. 11-16(6)	<input type="checkbox"/>
20	Smith et al. The American Society of Human Genetics, 51st Annual Meeting : October 12-16, 2001, San Diego, California / 2001 program committee, Orr, Harry T, chair University of Chicago Press, 2001 69(4) p. 275	<input type="checkbox"/>
21	Smith, "Human endogenous retrovirus HERV-K expression in prostate cancer," 2001 Journal of Urology, Baltimore, Maryland 165(5) Supplement: 136-7 pp. 136-137	<input type="checkbox"/>
22	Wang-Johanning, F. et al. "Expression of human endogenous retrovirus K envelope transcripts in human breast cancer," 2001 Clin Cancer Res 7:1553-1560	<input type="checkbox"/>

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23	Mariani-Constantini, R. et al. "Ancestry of a human endogenous retrovirus family," 1989 J Virol. 1989 November; 63 (11): 4982-4985.	<input type="checkbox"/>
24	Löwer, R. et al "The viruses in all of us: characteristics and biological significance of human endogenous retrovirus sequences," Proc Natl Acad Sci U S A. 1996 May 28;93(11):5177-84	<input type="checkbox"/>
25	Ono, M. et al. "Nucleotide sequence of human endogenous retrovirus genome related to the mouse mammary tumor virus genome related to the mouse mammary tumor virus genome," 1986 Journal of Virology, 60(2):589-98	<input type="checkbox"/>
26	Ono, M. et al. "Molecular cloning and long terminal repeat sequences of human endogenous retrovirus genes related to types A and B retrovirus genes," 1987 Journal of Virology 58(3):937-44	<input type="checkbox"/>
27	Shih, A. et al. "Evolutionary implications of primate endogenous retroviruses," 1991 Virology, Jun; 182(2):495-502	<input type="checkbox"/>
28	Löwer, R. et al. "Identification of human endogenous retroviruses with complex mRNA expression and particle formation," Proc. Nat'l Acad. Sci. USA 1993 May 15;90(10):4480-4	<input type="checkbox"/>
29	Boller, K. et al. "Evidence that HERV-K is the endogenous retrovirus sequence that codes for the human teratocarcinoma-derived retrovirus HTDV," Virology. 1993 Sep;196(1):349-353	<input type="checkbox"/>
30	Mueller-Lantzsch, N. et al. "Human endogenous retroviral element K10 (HERV-K10) encodes a full-length gag homologous 73-kDa protein and a functional protease. AIDS Res Hum Retroviruses," 1993 Apr;9(4):343-350.	<input type="checkbox"/>
31	Löwer, R. et al. "A general method for the identification of transcribed retrovirus sequences (R-U5 PCR) reveals the expression of the human endogenous retrovirus loci HERV-H and HERV-K in teratocarcinoma cells. Virology," 1993 Feb;192(2):501-11	<input type="checkbox"/>
32	Wang-Johanning et al., 1999 Proceedings of the American Association for Cancer Research 40:424	<input type="checkbox"/>
33	Herbst, H. et al. "Expression of human endogenous retrovirus K elements in germ cell and trophoblastic tumors. Am J Pathol," 1996 November; 149(5): 1727-1735	<input type="checkbox"/>

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34	Löwer, R. et al. "Identification of a Rev-related protein by analysis of spliced transcripts of the human endogenous retroviruses HTDV/HERV-K," J Virol. 1995 Jan;69(1):141-149	<input type="checkbox"/>
35	Yang, J. "An ancient family of human endogenous retroviruses encodes a functional homolog of the HIV-1 Rev protein," Proc Natl Acad Sci U S A. 1999 Nov 9;96(23):13404-8	<input type="checkbox"/>
36	Magin, C. et al. "cORF and RcRE, the Rev/Rex and RRE/RxRE Homologues of the Human Endogenous Retrovirus Family HTDV/HERV-K," Journal of Virology, November 1999, pp. 9496-9507, Vol. 73, No. 11	<input type="checkbox"/>
37	Boese, A. et al. "Human endogenous retrovirus protein cORF supports cell transformation and associates with the promyelocytic leukemia zinc finger protein," 2000 Oncogene 19: 4328 - 4336	<input type="checkbox"/>
38	Berkhout, B. et al. "Identification of an active reverse transcriptase enzyme encoded by a human endogenous HERV-K retrovirus," 1999 J. Virol. 73:2365-2375	<input type="checkbox"/>
39	Sverdlo, E. D. "Retroviruses and primate evolution." BioEssays. 2000 Feb;22(2):161-71	<input type="checkbox"/>
40	Seifarth, W. et al. "Proviral structure, chromosomal location, and expression of HERV-K-T47D, a novel human endogenous retrovirus derived from T47D particles," J. Virol., 1998 Oct;72(10):8384-91	<input type="checkbox"/>
41	Zsíros, J. et al. "Evolutionary relationships within a subgroup of HERV-K-related human endogenous retroviruses. The Journal of general virology," 1998;79 (Pt 1) : 61-70	<input type="checkbox"/>
42	Medstrand, P. et al. "Characterization of novel reverse transcriptase encoding human endogenous retroviral sequences similar to type A and type B retroviruses: differential transcription in normal human tissues," J Virol. 1993 November; 67(11): 6778-6787	<input type="checkbox"/>
43	Medstrand, P et al. "Human-specific integrations of the HERV-K endogenous retrovirus family," Journal of virology 1998;72(12):9782-7	<input type="checkbox"/>
44	Urnovitz, H. "Human endogenous retroviruses: nature, occurrence, and clinical implications in human disease. Clinical microbiology reviews," 1996;9(1):72-99	<input type="checkbox"/>